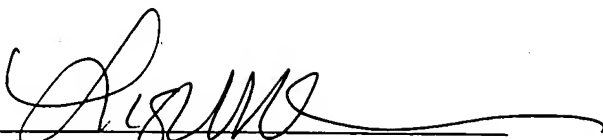


Applicants respectfully request entry of this amendment.

Date: Aug 28, 2002

By: 
Lisa M.W. Hillman
Registration No.: 43,673

McDonnell, Boehnen,
Hulbert & Berghoff
300 South Wacker Drive
Chicago, IL 60606
(312) 913-0001

APPENDIX A

MARKED UP COPY OF AMENDMENTS TO SHOW CHANGES MADE

Please replace the first full paragraph of page 88 with the following paragraph:

Prepare 2.5% glutaraldehyde solution in 0.1 M sodium phosphate, 0.05% sodium azide, 0.1% sodium cyanoborohydride, pH 7.0. Add 2 ml of the [sulfo-NHS-LC-biotin] glutaraldehyde solution to each amine-coated biosensor and incubate at room temperature for 30 min. Wash the biosensor three times with PBS (pH 7.0). The glutaraldehyde linker has a molecular weight of 100.11. The resulting biosensors can be used for binding proteins and other amine-containing molecules. The reaction proceeds through the formation of Schiff bases, and subsequent reductive amination yields stable secondary amine linkages. In one experiment, where a coated aldehyde slide made by the inventors was compared to a commercially available aldehyde slide (Cel-Associate), ten times higher binding of streptavidin and anti-rabbit IgG on the slide made by the inventors was observed.